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SERIAL NO.: Not Yet Known
FILED: Herewith
Page 7

AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows:

- 1 (Currently Amended) A portable electronic device comprising ~~containing~~ an electrochemical cell, said cell comprising ~~having~~ a positive electrode, a negative electrode and an electrolyte, ~~characterised in that at least the~~ wherein said positive electrode comprises a mesoporous structure having a periodic arrangement of substantially uniformly sized pores [of] with a cross-section [of] in the order of $10^{-[8]2}$ to $10^{-[9]8}$ m.
2. (Currently Amended) A portable electronic device according to ~~any preceding~~ claim 1, wherein the mesoporous structure of the positive electrode is ~~formed of a material selected from~~ a metal, a metal oxide, a metal hydroxide or a combination thereof ~~of any two or more of these~~.
3. (Currently Amended) A portable electronic device according to ~~any preceding~~ claim 1, wherein the mesoporous structure of the positive electrode comprises a metal [and], a metal oxide [or], a metal hydroxide or a metal oxy-hydroxide, said metal oxide [or], metal hydroxide or metal oxy-hydroxide, forming a surface layer over said metal and extending over ~~at least the~~ pore surfaces.
4. (Currently Amended) A portable electronic device according to ~~any preceding~~ claim 1, wherein the mesoporous structure of the positive electrode comprises a metal that is ~~selected from: nickel[:] or nickel alloys of nickel, including alloys with a transition metal, nickel/cobalt alloys, [and] iron/nickel alloys[:], cobalt[:], platinum[:], palladium[:], and] or ruthenium~~.
5. (Currently Amended) A portable electronic device according to ~~any preceding~~ claim 1, wherein said [the] mesoporous structure comprising ~~of the positive electrode comprises~~ a metal oxide, hydroxide or oxy-hydroxide is ~~selected from:~~ gold oxide; palladium oxide; nickel oxide (NiO); nickel hydroxide (Ni(OH)₂), nickel oxy-hydroxide (NiOOH) [and] or ruthenium oxide.

APPLICANT(S): BARTLETT, Philip Nigel
SERIAL NO.: Not Yet Known
FILED: Herewith
Page 8

6. (Currently Amended) A portable electronic device according to ~~any preceding~~ claim 1, wherein the mesoporous structure has a pore diameter [within] in the range [from] of about 1 to 10 nm, ~~preferably from 2.0 to 8.0 nm~~.
7. (Currently Amended) A portable electronic device according to ~~any preceding~~ claim 1, wherein the mesoporous structure has a pore number density of [from] about 4×10^{11} to 3×10^{13} pores per cm^2 , ~~preferably from 1×10^{12} to 1×10^{13} pores per cm^2~~ .
8. (Currently Amended) A portable electronic device according to ~~any preceding~~ claim 1, wherein at least 85 % of the pores in [the] said mesoporous structure have pore diameters [to] within 30 %, ~~preferably within 10 %, more preferably within 5 %~~, of the average pore diameter.
9. (Currently Amended) A portable electronic device according to ~~any preceding~~ claim 1, wherein the mesoporous structure has a hexagonal arrangement of pores that are continuous through the thickness of the electrode.
10. (Currently Amended) A portable electronic device according to claim 9, wherein the hexagonal arrangement of pores has a pore periodicity [of] in the range [from] of 5 to 9 nm.
11. (Currently Amended) A portable electronic device according to ~~any preceding~~ claim 1, wherein the negative electrode comprises a mesoporous structure having a periodic arrangement of substantially uniformly sized pores [of] with a cross-section [of] in the order of 10^{-8} to 10^{-9} m.
12. (Currently Amended) [A] The portable electronic device ~~according to any preceding~~ of claim 1, wherein [the] said mesoporous structure is a film having a thickness in the range [from] of about 0.5 to about 5 micrometers.
13. (Currently Amended) [A] The portable electronic device ~~according to any preceding~~ of claim 1, wherein [the] said negative electrode comprises a material ~~selected from:~~ that is carbon[;], cadmium[;], iron[;], a palladium/nickel alloy[;], an iron/titanium alloy[;], palladium[;], ~~and the mixed metal hydride of~~ or LaNi_5H_x .

APPLICANT(S): BARTLETT, Philip Nigel
SERIAL NO.: Not Yet Known
FILED: Herewith
Page 9

14. (Currently Amended) [A] ~~The portable electronic device according to any preceding~~ of claim 1, wherein [the] said negative electrode comprises a material ~~selected from: that is~~ carbon [and] or palladium.
15. (Currently Amended) [A] ~~The portable electronic device according to any preceding~~ of claim 1, wherein [the] said mesoporous structure ~~of the positive electrode~~ comprises nickel and [an] a nickel oxide, a nickel hydroxide or a nickel oxy-hydroxide of nickel selected from that is NiO, Ni(OH)₂ and NiOOH, said nickel oxide, [or] nickel hydroxide, or nickel oxy-hydroxide forming a surface layer over said nickel and extending over ~~at least~~ the pore surfaces, and [the] wherein said negative electrode has a mesoporous structure comprised of carbon or palladium.
16. (Currently Amended) [A] ~~The portable electronic device according to any preceding~~ of claim 15, wherein ~~the mesoporous structure of the positive electrode comprises nickel and an oxide, hydroxide or oxy-hydroxide of nickel selected from NiO, Ni(OH)₂ and NiOOH, said nickel oxide or hydroxide forming a surface layer over said nickel and extending over at least the pore surfaces, and the~~ said negative electrode comprises nanoparticulate carbon.
17. (Currently Amended) [A] ~~The portable electronic device according to any preceding~~ of claim 1, wherein [the] said cell is constructed to function as a battery, as a supercapacitor or [as] a ~~combined battery/supercapacitor~~ combination thereof.
18. (New) A portable electronic device according to claim 6, wherein the mesoporous structure has a pore diameter in the range of about 2.0-8.0 nm.
19. (New) A portable electronic device according to claim 7, wherein the mesoporous structure has a pore number density of 1×10^{12} to 1×10^{13} pores per cm²
20. (New) The portable electronic device of claim 8, wherein at least 85 % of the pores in said mesoporous structure have pore diameters to within 10 % of the average pore diameter.
21. (New) The portable electronic device of claim 8, wherein at least 85 % of the pores in said mesoporous structure have pore diameters to within 5 % of the average pore diameter.

APPLICANT(S): BARTLETT, Philip Nigel
SERIAL NO.: Not Yet Known
FILED: Herewith
Page 10

22 (New) The portable electronic device of claim 4, wherein said Nickel alloys are alloys with a transition metal, nickel/cobalt alloys, iron/nickel alloys, cobalt, platinum, palladium or ruthenium.